INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/11502

Ā.	CLASSIFICATION C	SUBJECT MATTER
	Tat C17 E167	15/22

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According	to International Patent Classification (IPC) or to both	national classification and IPC 10/	52/068
D. PILL	DO SEARCIED .		
Minimum Int	documentation searched (classification system followe $.C1^7$ F16J15/22	d by classification symbols)	
Jits	ation searched other than minimum documentation to to suyo Shinan Toroku Koho 1996–2003 suyo Shinan Koho 1922–1996	3 Kokai Jitsuyo Shinan Koho	1971–2003
Electronic	data base consulted during the international search (na	me of data base and, where practicable, sea	rch terms used)
C. DOC	JMENTS CONSIDERED TO BE RELEVANT	;	
Category*	Citation of document, with indication, where a	appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2002-129440 A (Japan Mat Kaisha), 09 May, 2002 (09.05.02), Full text; Figs. 1 to 21 (Family: none)	ekkusu Kabushiki	1,8,9 2-7,10-13
Y	GB 2285067 A (T&N TEC.), 28 June, 1995 (28.06.95), Full text; Figs. 1 to 7 (Family: none)		2-7
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× Furth	ner documents are listed in the continuation of Box C.	See patent family annex.	!
'A" docum consid 'E" earlier date 'L" docum cited t specia 'O" docum means docum than th Date of the	nent published prior to the international filing date but later ne priority date claimed actual completion of the international search	"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such combination being obvious to a person document member of the same patent f Date of mailing of the international search	ne application but cited to erlying the invention claimed invention cannot be red to involve an inventive claimed invention cannot be to when the document is documents, such a skilled in the art family
	December, 2003 (09.12.03)	24 December, 2003 (24.12.03)
	nailing address of the ISA/ nnese Patent Office	Authorized officer	
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Category* Y	JP 3-249482 A (Nippon Pillar Packing Co., Ltd.), 07 November, 1991 (07.11.91), Full text; Fig. 14 (Family: none)	2-7
Y .	JP 10-132086 A (Nippon Pillar Packing Co., Ltd.), 22 May, 1998 (22.05.98), Full text; Figs. 1 to 10 (Family: none)	10-13
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